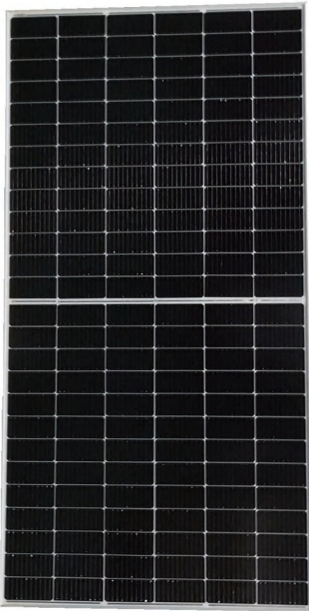


# HT78-18X

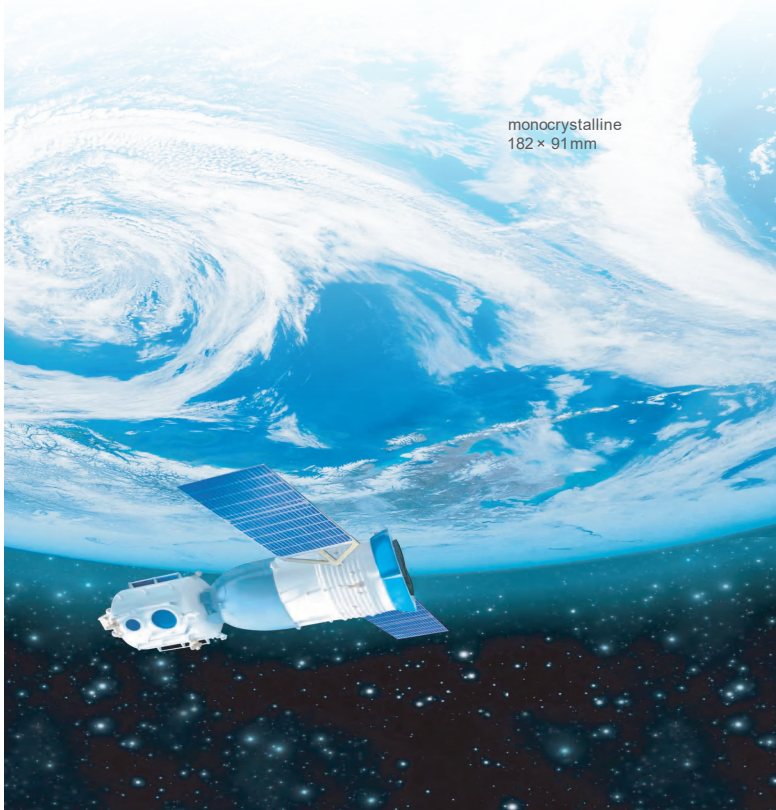
NEW

## POWER OUTPUT

**580W / 585W**  
**590W / 595W / 600W**



- Module Efficiency: 21.4%
- No. of Cells: 156 (6 × 26)
- Weight: 31.0kg
- Dimensions: 2470mm×1133mm×35mm



monocrystalline  
182 × 91 mm



Shanghai Aerospace Automobile  
Electromechanical Co., Ltd.  
website: www.ht-saae.com

Factory :  
Lianyungang ShenZhou New Energy Co., Ltd.  
Turkey HT Solar Energy Joint Stock Company



**Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.**



**The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption**

**12Ys**  
**Products**  
**Warranty**



**Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs**

**25Ys**  
**Warranty on**  
**power output**



**All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.**

**EL**

**Microcrack resistant Double glass structure enhance reliability, triple EL tested of high quality control.**

**5W**

**Positive tolerance 0/+5w guaranteed**



**Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa)**

**PID**

**PID Resistant**

**Comprehensive and first-rate certification system**

IEC61215: 2016.IEC61730: 2016 Latest Standard  
ISO9001, ISO14001 and OHSAS18001,  
meeting the highest international standards  
Strict quality control

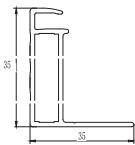
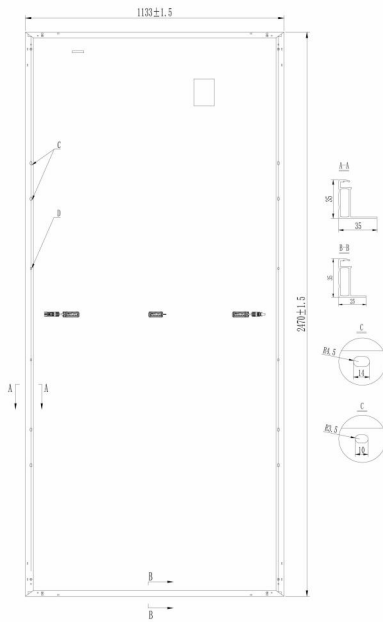


\* Copyright@2020V1 Plus Specifications are subject to change without further notification

MULTIWAY

### 580W/585W/590W/595W/600W

#### Engineering Drawing



#### Electrical Characteristics

Module	HT78-18X				
Maximum Power at STC(Pmax)	580W	585W	590W	595W	600W
Open-Circuit Voltage(Voc)	53.5V	53.6V	53.7V	53.8V	53.9V
Short-Circuit Current(Isc)	14.30A	14.35A	14.46A	14.55A	14.63A
Optimum Operating Voltage (Vmp)	44.4V	44.5V	44.6V	44.7V	44.8V
Optimum Operating Current(Imp)	13.10A	13.15A	13.24A	13.30A	13.40A
Module Efficiency	20.7%	20.9%	21.1%	21.3%	21.4%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	20A				
Operating Temperature	-40 °C to +85 °C				

\*STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25, AM=1.5  
Optional black frame or white frame module according to customer requirements

#### NMOT

Module	HT78-18X				
Maximum Power	430W	433W	437W	441W	448W
Open Circuit Voltage (Voc)	50.6V	50.6V	50.7V	50.8V	51.0V
Short Circuit Current (Isc)	11.50A	11.59A	11.68A	11.80A	11.90A
Maximum Power Voltage (Vmp)	42.0V	42.0V	42.1V	42.2V	42.4V
Maximum Circuit Current (Imp)	10.20A	10.31A	10.38A	10.50A	10.60A
NOCT	45°C±2°C				

\*NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20 °C, wind speed 1 m/s

#### Mechanical Characteristics

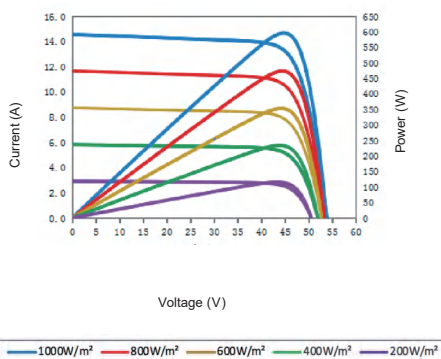
Solar Cells	monocrystalline 182 × 91mm
No. of Cells	156(6 × 26)
Dimensions	2470mm×1133mm×35mm
Weight	31kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm <sup>2</sup> (IEC) Length:(+)200mm,(-)300mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	31pcs / box, 496pcs / 40'HQ Container

#### Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.39%/K
Temperature Coefficient of Voc	β (Voc)	-0.29%/K
Temperature Coefficient of Isc	α (Isc)	0.049%/K

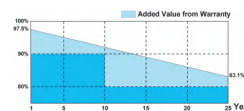
#### I-V Curves

Current-Voltage & Power-Voltage Curve



#### Warranty

- 12-year product warranty
- 25-year warranty on power output
- Specific information is referred to the product quality guarantee



#### Information Box